

MARKOVIC, Z.

Reorganization of the Japanese merchant marine. Section
transp 10 no. 5324-325 My '64.

"APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032510020-7

MARCOVICI,

Maritime company. Known to be involved in smuggling.

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032510020-7"

MARKOVIC, Z.

Maritime transport in the U.S.S.R., and its planning. Mednar
transp 10 no.11:19-20 N '64.

Drop in the price for inland water transportation of goods
in the U.S.S.R. Ibid.:?4-?5

Z. LAKOVIC

"International conference on the preparation of coal." p. 1. (UGALJ, Vol. 1, no. 1, 1951, Beograd, Yugoslavia)

SC: Monthly List of East European Accessions, L. C., Vol. 2, No. 7, July 1953, Uncl.

Marković, Željko. Sur la théorie de la mesure de Platon.
Bull. Intern. Acad. Yougoslave. Cl. Sci. Math. Nat. 33,
1-25 (1940).

Discussion of Plato's number theory (the so-called "ideal
numbers") and related topics in close connection with papers
by O. Becker, Stenzel and Toeplitz, published in Quellen
und Studien zur Geschichte der Mathematik.

O. Neugebauer (Providence, R. I.).

Source: Mathematical Reviews.

Vol. No.

MARKOVIC, Zeljko

Marković, Ž. Sur la formation des théories mathématiques
Hrvatsko Prirodoslovno Društvo, Glasnik Mat.-
Fiz. Astr. Ser. II, 1, 49-64 (1946). (Croatian, French;
summary)

Source: Mathematical Reviews,

Vol. 10

No. 2

Sum/ed

MARKOVIC-BORELI, R.

Seyssin; a contribution to the study of rural settlements around Grenoble. p. 227
(GLASNIK Vol. 2/3, 1953/54 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

MARKOVIC-BORELI, R.

A contribution to the bibliography ethnology and folklore, 1945-1950. p. 851
(GLASNIK Vol. 2/3 1953/54 (Published 1957)

SO: Monthly List of East European Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

MARKOVIC-BORELI, R.

Care of the youth and family in Yugoslavia. p. 975
(GLASNIK, Vol. 2/3 1953/54 (Published 1957)

SO: Monthly List of East Europeans Accessions (EEAL) LC Vol. 6, No. 12, Dec. 1957
Uncl.

MARKOVIC-DAJA, L; DAJA, I.

Effect of chlormazine on thermogenesis, p. 23. Srpska akademija nauka. Odjeljenje prirodno-matematičkih nauka. GLAS. Beograd.

No. 216, 1955

SOURCE: East European Accessions List, (EEAL), Library of Congress, Vol. 4, No. 12, December 1955

MARKOVIC-DAJA, L.; DAJA, I.

Hypothermia of dogs in rarefield air. p. 65. Srpska akademija nauka. Odjeljenje prirodno-matematičkih nauka. CLAS. Beograd.

No. 21, 1955

SOURCE: East European Accessions List, (EEL), Library of Congress,
Vol. 4, No. 12, December 1955

MAREVIC-SILAK, V.

"Project of the Tikves Hydroelectric Power Plant on the Crna Reka River in Macedonia." p. 294, (ELEKTR. PRIVREDA, Vol. 7, no. 6, Nov./Dec. 1954. Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (EEAL), LC,
Vol. 4, No. 5, May 1955, Uncl.

Makovic-Gilson

VITRO

Hypothermia produced by chlorpromazine and resistance to hypoxia. J. Glajc and L. Markovic-Gilson (Univ. Belgrade) *J. Physiol.* 1966, 187(1):103-113, cf. CIA file 1966. Hypothermia, even that produced by chlorpromazine, increases the resistance of rats to hypoxic asphyxia, although in the absence of hypothermia chlorpromazine decreases the resistance. — L. E. Gilson

MARKOVIC-GRAJCA, L.

Chlorpromazine and thermoregulation — [Gaja and L.
Markovic-Grajca (Univ., Belgrade, Yugoslavia). *Compt.
Rend. Soc. Biol. Paris*, 148, 842-4 (1954); *C.A.* 47, 8203g.]
In albino rats the subcutaneous injection of 25 mg./kg. of
chlorpromazine caused a decrease of about 4° in rectal
temp. at room temp. 21°, 6° at room temp. 18°, and 10° at
room temp. 8°, although the O₂ consumption of the rats
was greatly increased at the lower room temps. Apparently
chlorpromazine suppresses the ability to regulate body
temp. but has little or no influence on thermogenesis.
L. E. Gilson

MARKOVIC-GIATA-L

7408. Insulin hypoglycemia in prolonged hypothermia
G. I. Markovic-Giata and V. Pavlović, et al.

Abstract: Insulin hypoglycemia was induced in 10 dogs by slow infusion of insulin. The dogs were cooled to a rectal temperature of 15° C. and maintained at this level for 10 hours. When hypothermia is combined with low O₂ tension, it has a synergistic protective effect on the body temp. to 10% of normal at 20° C. Blood sugar level at time of death is similar whatever the survival time. The minimum level of blood glucose is 10 mg glucose/100 ml blood.

O₂ consumption was 1/24 times less than in normal brain at an animal temp. of 15° C. In rats in hypothermic coma without hypothermia and 150 mg/l glucose, the O₂ consumption was 1/2 times less than in normal rats. It is due to deficiency of glucose as a substrate for oxidative processes. (Primo)

V. S. NUTT

MARKOVIC-GAJA, L.

MD ✓ *Respiration, hypothermia and the body temperature
threshold and circadian rhythms*. J. Glatz, L. Marković-Gaja
and P. Šakić (Univ. Beograd). *Comp. Physiol.* 149, 147-9 (1965).
149, 147-9 (1965). — When a rat is exposed to an external
temp. of about 20° it assumes the characteristics of a poikilotherm
rather than a homeotherm and its resistance to poisons
such as CO and strichnine is greatly increased. Upon
warming to approx. 23° it again becomes a homeotherm
and its susceptibility to these poisons is the same as at normal
body temp.

L. B. Glaz

②

GJAJA, I.; MARKOVIC-GJAJA, L.

Poikilothermic basis of homotherapy and hibernotherapy.
Glas Srpske akad. nauka, odelj. med. 217 no.10:15-20
1956.

I. Fiziologiski savod Prirodno-matematičnog fakulteta, Beograd;
Institut za Biologiju mora, Rovinj.
(HYPOTHERMIA, Artificial,
poikilothermic factors (Ser))
(HIBERNATION, ARTIFICIAL,
poikilothermic factors (Ser))

GJAJA, Ivan; MARKOVIC-GJAJA, Leposava; SOKIC, Pavle

Hypothermia and toxicity of strychnine and carbon monoxide.
Glas Srpske akad. nauka, odelj. med. 217 no. 10:79-84 1956.

1. Fizioloski zavod Prirodno-matematičnog fakulteta Univerziteta
u Beogradu.

(HYPOTHERMIA, effects,
on strychnine & carbon monoxide tox. (Ser))

(STRYCHNINE, toxicity,
eff. of hypothermia in rats (Ser))

(CARBON MONOXIDE, toxicity,
eff. of hypothermia in rats (Ser))

MARKOVIC-MARJANOVIC, J.

"A contribution to the problem of the tectonics of Slankamen, Voivodina", p. 77
(Glasnik. Serija A: Mineralogija, Geologija, Paleontologija, No. 4, 1951,
Beograd)

SO: Monthly List of ~~new~~ Acquisitions, Library of Congress, September 1953, Uncl.

MARKOVIC-MARJANOVIC, J.

"Loess Oases in the South Morava Valley." P. 111. GLASNIK.
SFRIJA A: MINERALOGIJA, GEOLOGIJA, PALEONTOLOGIJA. No. 5, 1952,
Beograd, Yugoslavia.)

SO: Monthly List of East European Accessions, (FEAI), LC,
Vol. 3, No. 12, Dec. 1954, Uncl.

MARKOVIC-MARJANOVIC, J.

"Quaternary Sediments in the Lower Basin of the Western Morava River" p. 69
(ZBORNIK RADOVA, Vol. 22, no. 4, 1952, Beograd, Yugoslavia)

So: Monthly List of East European Accessions, Library of Congress, Vol. 2,
No. 10, October, 1953, Unclassified

MARKOVIC-MARJANOVIC, J

"Preliminary Notes on the Sand Plain of Deliblatska Pescara."p. 31, "A Contribution
To The Study of the Geological Information of Titel Hill."p. 35 (NAUKA I PRIRODA)
(Vol. 12. No 3, 1953 , Beograd, Yugoslavia)

SO: Monthly List of East European Accession L.C. Vol. 3, No. 4 April 1954

MARKOVIC-MARJANOVIC, J.

SCIENCE

MARKOVIC-MARJANOVIC, J. Matica srpska. Novi Sad.

No. 9, 1955. The Middle Banat. p. 43.

Monthly Index of East European Accessions (EEAI) LC Vol. 8, No. 4, April, 1959

MARKOVIC-MARJANOVIC, J.

Quaternary sediments of Bagrdan Gorge, indicators of
climatic fluctuations in the Velika Morava valley. p. 31.
(Belgrade. Prirodjacki muzej srpske zemlje. GLASNIK.
BULLETIN. SERIJE A: MINERALOGIJA, GEOLOGIJA, PALEONTOLOGIJA.
Beograd.) Vol. 7, no. 1, 1956.

SOURCE: East European Accessions List, (EEAL) Library of
Congress, Vol. 5, No. 8, August, 1956.

PILAR-SVOBODA, B., dr.; MIKELJ, M., dr. M.

Metastatic tumors of the mouth. Chir. maxillofac. Zagreb
4 no.3:107-127 '64.

MARKOVIC-STEFANOVIC, C.

"A New Contribution to Knowledge of the Fauna and of the Stratigraphic Position of Cretaceous Layers in the Environs of the Village of Klenje near Belgrade" p. 193
(ZBORNIK RADOVA, Vol. 22, no. 4, 1952, Beograd, Yugoslavia)

SO: Monthly List of East European Accessions, Library of Congress, Vol. 2,
No. ~~2~~, October, 1953, Unclassified

MARKOVIC-VALACIC, Katica

Anthropometry on nonqualified workers of Novi Sad. Zbor prir
Mat srp no.21:117-121 '61.

MARKOVIC-VRISK,Ancka,dr.; PANINGER,Aleksandar,dr.

On Treponema pallidum immobilization test of Nelson and Mayer in
dermato-venereological practice. Med. glasn. 13 no.10:512-515 0 '59.

1. Kozno-venericko odjeljenje i Antivenericki dispanser Opste
bolnice "Dorde Joanovic" u Zrenjaninu, upravnik: dr. A. Paninger.
(TRIPODNEA IMMobilIZATION TESTS)

FANINGER, A.; MARKOVIC-VRISK, A.

A survey of dermatoses in the Zrenjanin hat factory. Allergological inquiry. Higijena, Beogr. 12 no.4:333-343 '60.
(OCCUPATIONAL DERMATITIS statist)
(ALLERGY statist)

FANINGER, Aleksandar; MARKOVIC-VRISK, Ancka

Occupational dermatosis caused by mouldy sisal. Srpski arh. celok.
lek. 88 no. 3:303-311 Mr '60.

1. Kozno-venericno odeljenje i Kozno-venericni dispanzer Opste
bolnice "Dorde Joanovic" u Zrenjaninu. Nacelnik: dr Aleksandar
Faninger.

(OCCUPATIONAL DERMATITIS etiol)
(DERMATOMYCOSIS etiol)

MARKOVIC - VRISK, Ancka

Surname (in caps); Given Name

(3)

Country: Yugoslavia

Academic Degrees: not given

Affiliation: Dermatoveneral Ward of the General Hospital "Djordje Jovanovic" (Dermatovenerosko odjeljenje Opste bolnice "Djordje Jovanovic"), Zrenjanin; Director (Predstojnik);
xxxxxx Dr. Aleksander FANINGER

xxxxx

Source: Ljubljana, Zdravstveni vestnik, No 3-4, 1961, pp 67-70.

Data: "A Contribution to the Recognition of Sistemic Skin Neoplasms."

Authors:

FANINGER, Aleksander
MARKOVIC-VRISK, Ancka

,74

MARKOVIC-VRISK, Ancka, dr.

Clinical aspects and etiology of nail diseases. Med. glas. 15 no.
12/12a:456-460 D '61.

1. Dermato-venerolesko odjeljenje Opste bolnice "Dorde Joanovic" u
Zrenjaninu (Maceljnik odjeljenja: dr A. Paninger)

(MAILS dis)

FANINGER, A.; MARKOVIC VRISK, A.

Occupational dermatoses in the medical personnel of the Zrenjanin hospital. Higijena 14 no.1:82-85 '62.

(OCCUPATIONAL DERMATITIS) (ANTIBIOTICS toxicol)
(CHLORPROMAZINE toxicol) (DERMATITIS VENENATA)

YUGO SLAVIA

A. PANINGER and A. MARKOVIC-VRISK, Department of Dermato-Venerology,
General Hospital (Dermato-venerosko odjeljenje Opste bolnice) "Bjordje
Jovanović", Zrenjanin.

"Report on the Morbidity in the Zrenjanin Industry in 1961."

Journal of Hygiene, Vol 14, No 2-3-4, 1962; pp 181-186.

Abstract [English summary modified]: Tabulated data from 25 factories or
establishments by 14 categories of dermatovenerologic diseases, by
irritative versus allergic, by duration of disability, work-connectedness.
Incidence is still lower in 1961 than in 1960 but this difference is
probably an artefact. Three tables, 10 Yugoslav references (including
2 published in the German "Berufsdermatosen".)

MARKOVIC-VRISK, Ancka; FANINGER, Aleksandar

Contribution to the study of an anhidrotic form of ectodermal dysplasia. Srpski arh. celok. lek. 90 no.2:213-217 P '62.

1. Dermatovenerosko odjeljenje Opste bolnice "Djorde Joanovic"
u Zrenjaninu Nacelnik: dr. Aleksandar Faninger.
(SKIN abnorm)

S

BULGARIA

BIO-MEDICAL SCIENCES
BiochemistryDESSEV, G. N., MARKOV, G. G., TSANEV, R. G., Biochemical Research Laboratory,
Bulgarian Academy of Sciences

"Localization of the DNA-Like RNA in Rat Liver Cytoplasm"

Sofia, Doklady Bolgarskoy Akademii Nauk, Vol 10, No 8, 1966, pp 755-758

Abstract: [English article] Earlier studies by the authors (see, e.g., Biochem. J., 100, 1964, 204) of the DNA-like RNA in rat liver cytoplasm indicated that the newly-synthesized RNA in the electrophoretically separated cytoplasmic 18S and 28S RNA fractions of rat liver consisted of two different types: RNA of C-G type (ribosomal RNA) and RNA of A-U type (DNA-like RNA). It was of interest, therefore, to study the distribution of DNA-like RNA among the different cytoplasmic subfractions. The present article describes the experimental methodology (utilizing carrier-free ^{32}P -orthophosphate), presents electrophoretic and labeling patterns, and thoroughly discusses the results. The fact that DNA-like RNA is present in the supernatant cytoplasmic subfraction in a relatively pure state means, most probably, that it can exist as molecules which are distinct from the ribosomal RNA. However, being itself an 18S, it is difficult to separate it from the 18S ribosomal RNA when the two types of RNA are mixed during the isolation procedure. There are 1 Soviet and 14 Western references, (Manuscript received, 16 May 66.)

L 47101-66 EWT(1)/EWT(m) RO
ACC NR: AR6016489

SOURCE CODE: UR/0272/65/000/012/0105/0105

AUTHOR: Pchel'nikov, M. N.; Markov, K. P.; Bykovskiy, N. N.

TITLE: Equipment for radiometry of gas and liquid media

36

B

SOURCE: Ref. zh. Metrologiya i izmeritel'naya tekhnika, Abs. 12.32.910.

REF SOURCE: Tr. Soyuzn. n.-i in-ta priborostr., vyp. 1, 1964, 167-181

TOPIC TAGS: Radiometer, radioactive aerosol, air pollution, radioactive substance

ABSTRACT: A brief review was made of some works completed at the SNIIP in recent years, of the development of methods and equipment for testing radioactive aerosols and water contaminated with radioactive substances. Basic aspects of radiometric testing of the atmosphere were discussed. The radioactive sources and the composition of radioactive aerosols of industrial origin were considered. The basic requirements for aerosol radiometers were formulated. The methods and equipment for single and continuous control of radioactive aerosols in industrial buildings were described and specific characteristics of the problem of controlling gas waste by radiochemical

Card 1/2

UDC: 389:539.16.07

L 47101-66

ACC NR: AR6016489

plants were noted. Devices and equipment for controlling air pollution in uranium (thorium) mines and ore processing plants were described. Methods and equipment used for radiometry of liquid media were also described. Plans have been outlined for the future development of these methods. [Translation of abstract] [FM]

SUB CODE: 18/

hs

Card 2/2

L 45154-66 FSS-2/EWT(1) GW
ACC NR: AP6028339

SOURCE CODE: UR/0293/66/004/004/0592/0600

AUTHORS: Liventsov, A. V.; Markov, M. N.; Merson, Ya. I.; Shamilev, M. R.

69
b

ORG: none

TITLE: Investigation of the angular distribution of the earth's thermal radiation in outer space during the launching of a geophysical rocket on 27 August 1958

SOURCE: Kosmicheskiye issledovaniya, v. 4, no. 4, 1966, 592-600

TOPIC TAGS: thermal radiation, infrared radiation, geophysic rocket, earth atmosphere, geophysic experiment, radiation measurement

ABSTRACT: The experimental apparatus and the recorded data of a geophysical experiment conducted on a rocket, launched on 27 August 1958, are discussed. In part I of the report, the instrument is described that was used in measuring the angular distribution of the earth's IR-radiation. The various components and electrical circuitry of the radiometer are described in great detail. The two halves of the optical ends of the instrument were placed end-to-end on a small rotor to scan simultaneously in the vertical the earth's atmosphere and outer space. The instrument was calibrated using a low temperature radiation source. The rocket flew to an altitude of 450 km during which time a total of 50 scanning cycles was completed. In part II, the recorded results are given in graphical form as radiation intensity versus angular distribution and altitude curves, observed along a horizontal direction.

UDC: 551.521.32

Card 1/2

L 45154-66
ACC NR: AP6028339

7

The results show characteristics of nonisothermal radiation in the earth's atmosphere and several maxima in the IR-radiation at various altitudes. The following persons participated actively in the work: V. M. Yermakova, V. P. Glazunov, V. A. Zinov'yev, and S. S. Dudukin. The mechanical developments were the work of V. Ye. Shervinskiy, and the magnetic recordings were performed by A. F. Polyanskiy. The authors express their thanks to G. G. Boldyrev, A. M. Petryakhin, and K. A. Razin for their constant interest and influence on the work. Orig. art. has: 9 figures. [04]

SUB CODE: 04/ SUBM DATE: 15Mar65/ ORIG REF: 006 / ATD PRESS: 5081

Card 2/2 *alluv*

I 47081-66 FSS=2/EWT(1)
ACC NR: AN6029865 (N) SOURCE CODE: UR/9008/66/000/212/0001/0001

AUTHOR: Markov, P. (Tank forces Colonel general)

20
P

ORG: none

TITLE: Powerful Branch of the service [Military tank improved]

SOURCE: Krasnaya zvezda, 11 Sep 66, p. 1, col. 1-4

TOPIC TAGS: military tank, ~~military tactics~~ ground force tactic,
~~ground force organization~~

ABSTRACT: Military training and other studies during the postwar period have proved that tanks are the most effective weapons for use by land forces engaged in nuclear-missile warfare. The overall design of the tank has not been changed; however, the tank's combat characteristics have been improved, including maneuverability and protective armor.

[WS]

SUB CODE: 19, 15/ SUBM DATE: none

Card 1/1 Mkt

YUGOSLAVIA

TURUBATOVIC, R.; MARKOVIC, B.S. and MAJSTOROVIC, G.; Institute for Preventive Veterinary Medicine (Institut za preventivnu veterinarsku medicinu,) Belgrade.

"Preparation of Fowl Diphtheria and Fowl Pox Vaccine from C Strain of Virus."

Belgrade, Veterinarski Glasnik, Vol 20, No 7, 1966; pp 519-520.

Abstract [English summary modified]: Report of preparation of experimental live vaccine, consisting of virus adapted to chorioallantoic membrane, single passage, for subcutaneous vaccination with good results in 5000 birds vaccinated in experimental field test. Manuscript received 15 May 66.

1/1

MARKVITTE, 1.

Determining the economic efficiency of the 100 km roads. (v. 23 p. 11 n. 14-15.)

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032510020-7"

MARKOVICH, A. V.

"Jarovization of Muscatel Shrub (Salvia Sclarea)"

DOK. AN, 193, No. 7, 1936.

MARK VICH, A. A.

Oilseed Plants

Stage analysis of the cultivation of volatile oil bearing plants., Izv. Akad. Nauk SSSR, no. 1, 1952.

Monthly List of Russian Accessions, Library of Congress, May 1972. (CIA-RDP86-00513R001032510020-7)

MARKOVICH, A.A.

Session of the Department of Biological Sciences of the Academy of
Sciences of the U.S.S.R. on some results and problems of space
biology. Izv.AN SSSR.Ser.biol 27 no.4:639-643 Jl-Ag '62.
(MIRA 15:9)
(SPACE BIOLOGY--CONGRESSES)

MARKOVICH, A.A.

Joint session of the Department of Biological Sciences of the Academy of Sciences of the U.S.S.R. and the All-Union Academy of Agricultural Science on biological fixation of nitrogen in agriculture. Izv.AN SSSR.Ser.biol.27 no.4:643-644 Jl-Ag '62.

(MIRA 15:9)

(NITROGEN--FIXATION)

L 63833-65 EWT(m)/EWP(+) /EWP(5) IJP(c) JD
ACCESSION NR: AP5020231

UR/0069/65/027/004/0593/059721
541.18.046.8

AUTHORS: Pozin, M. Ye.; Kopylev, B. A.; Iefremov, I. I.; Varshavskiy, V. I.,
Markovich, A. S.

TITLE: Coagulation processes in the manufacture of superphosphates

SOURCE: Kolloidnyy zhurnal, v. 27, no. 4, 1965, 593-597

TOPIC TAGS: superphosphate, phosphorus compound, fertilizer, potassium compound,
calcium sulfate

ABSTRACT: The mechanism of potassium sulfate deposition on apatite granules in the manufacture of superphosphates was investigated to determine the effect of the particle size on this process. The electrokinetic potentials of apatite and other minerals in the superphosphate pulp were established. Test specimens consisted of a standard apatite concentrate with 39.5% of P_2O_5 and a reactive sulfuric acid (100 g apatite and 70 g H_2PO_4 monohydrate). The experimental process is briefly described. The ability of calcium sulfate crystals to become attached to apatite grains is determined mainly by their size. Crystals smaller than $10-15 \mu$ show a very strong adhesion; crystals larger than $30-40 \mu$ do not adhere

Card 1/2

63833-65

ACCESSION NR: AP5020231

and form no slime coatings which retard the decomposition reaction. The deposition is a result of the adagulation process under the effect of the Van der Waals forces at lowering of the energy barriers. The electrokinetic potentials of apatite and other minerals were measured by the electro-osmotic method at 20C. In phosphoric acid, the electrokinetic potential of apatite has a high absolute value; in sulfuric acid its potentials are low. The potential of anhydrite and gypsum is near zero at all the phosphoric and sulfuric acid concentrations. In distilled water and in dilute solutions of phosphoric and sulfuric acids, apatite and aegirite have a slight negative potential which becomes positive over the acid concentration range of 10^{-2} - 10^{-1} N. It was established that the formation of slime coating may be avoided by choosing conditions ensuring the formation of calcium sulfate crystals larger than $20-30 \mu$ or by controlling the charges of the interacting particles. Orig. art. has: 1 figure and 1 table.

ASSOCIATION: Leningradskiy tekhnologicheskiy institut im. Lensoveta (Leningrad Engineering Institute)

SUBMITTED: 09Mar64

ENCL: 00

SUB CODE: GC, IC

NO REF SOV: 009

OTHER: 003

Card 2/2 J/k

MARKOVICH, A. V., GRIGOROV, O. N., and I. I. SUTKOV.

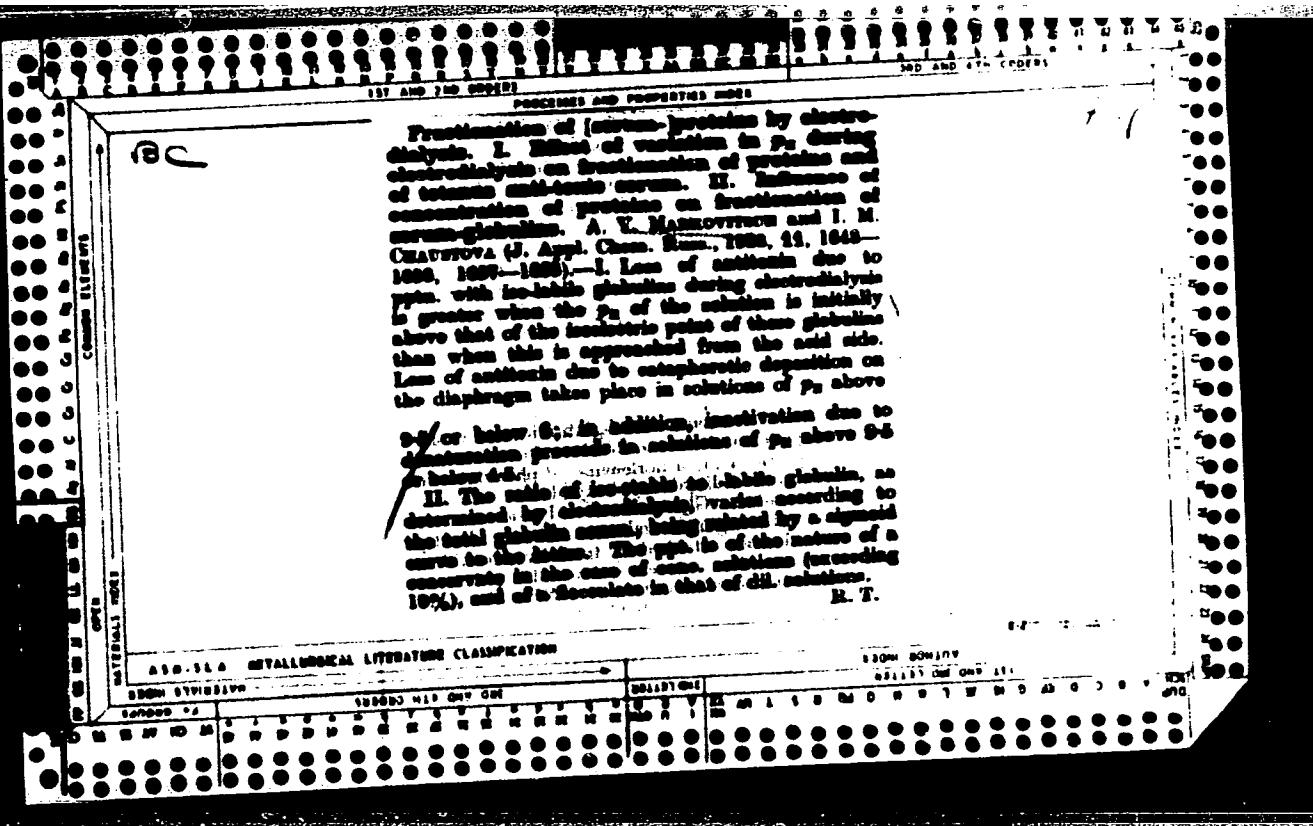
Purifying water by electroosmosis, Russ. 33,464, Nov 30, 1933.

An app. used for the electroosmosis of water has anodic diaphragms of bakelite treated with mineral acid.

U

Electroosmotic purification of water. O. N. Grigorov, A. V. Markovich, I. I. Shukov and B. P. Nikolskii. *J. Applied Chem. (U. S. S. R.)* 8, 945-46 (1935). A cell is described in which the catholyte is sepd. from the central chamber by a diaphragm consisting of a textile fabric coated with regenerated viscose cellulose, and the anolyte by bakelite paper (paper impregnated with bakelite lacquer, heated at 80° for 8 hrs., and washed with 3N HCl for 24 hrs.); the membranes are, resp., negatively and positively charged, and are resistant to strong acids and to Cl-. The rate of elimination of different ions from the central chamber increases in the order Mg⁺⁺, Ca⁺⁺, Na⁺, and SiO₄⁴⁻, SO₄²⁻, Cl⁻. The app. is not adapted to elimination of colloidal or substances, which are deposited in the pores of the membranes of the last cells of the series, necessitating their frequent replacement; hence the org. solutes of natural water should be removed by coagulation before electroosmosis. Water contg. not more than 7.15 mg of solutes can be prep'd. electroosmotically with a fuel expenditure 1/10 of that required in the distn. procedure. B. C. A.

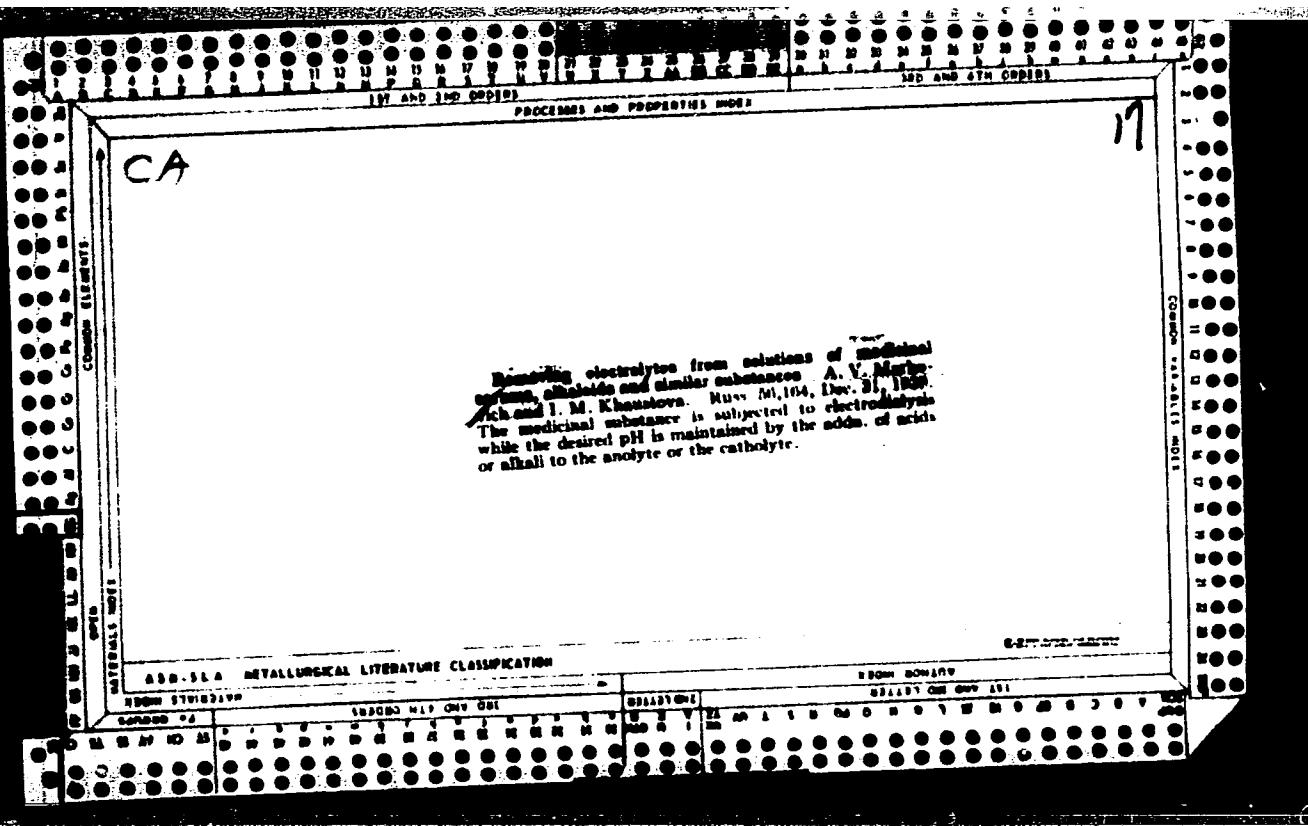
Serum electrodialysis. A. V. Markeyich. *J. Applied Chem.* (U.S.S.R.) 8, 1444-50 (in German 1450-1) (1938).—When serum is electrodialyzed in an app. with 2 parchment diaphragms, the p_{H} falls steadily, and the protein ppt. and then redissolve. If the anode diaphragm is bakelite, the p_{H} falls to 5.2 only, and the ppptd. protein does not redissolve. The amt. of protein ppptd. increases if the serum is dild. with H_2O , but decreases if NaCl soln. is used for dildn. The concn. of NaCl affects the amt. of ppptd. at the isoelect. point. The max. ppnt. of proteins occurs when the p_{H} of the soln. reaches the isoelect. point after removal of a large part of the serum electrolyte. H. M. L.



11

APPROVED FOR RELEASE: 06/14/2000

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CA

FRACTIONATION AND CONCENTRATION OF ANTITOXIC SERUMS
III. Changes of the distribution of antitoxins and proteins between the globulin fractions under the influence of heating the serum. A. V. Markovskii and I. M. Khantsova. Arch. sri. biol. (U.S.S.R.) 53, No. 1, 158-62 (1939); Khim. Referat. Zhur. 1939, No. 6, 54; cf. C. A. 33, 68049. — Heating of the antitoxic serum leads to an increase of the euglobulin fraction and of the insoluble proteins. The amt. of antitoxin combined with these proteins is decreased. Thus, heating the serum makes possible the removal of part of the serum proteins by salting out with $(NH_4)_2SO_4$ without a considerable loss of the antitoxin.

W. R. Henn

ASG-SLA METALLURGICAL LITERATURE CLASSIFICATION

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TYPE

SIZE

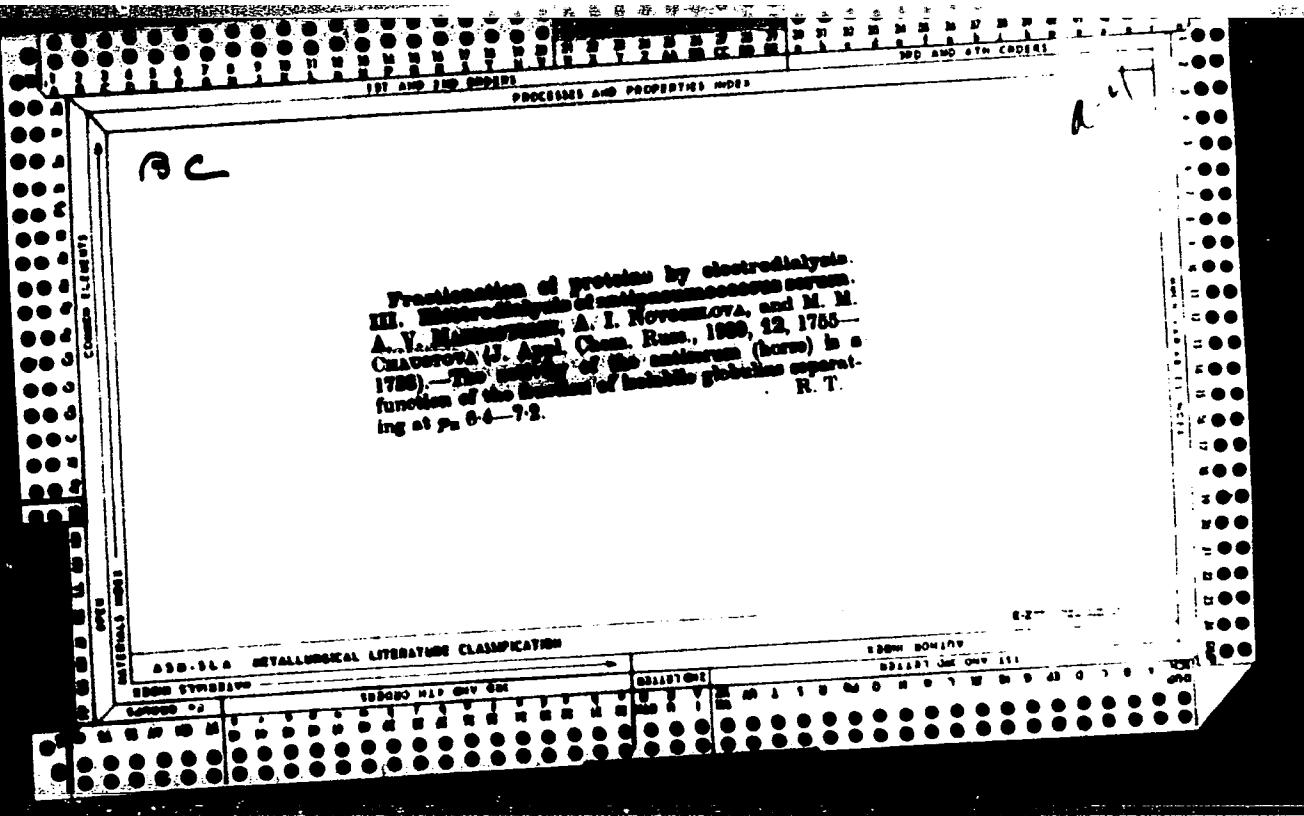
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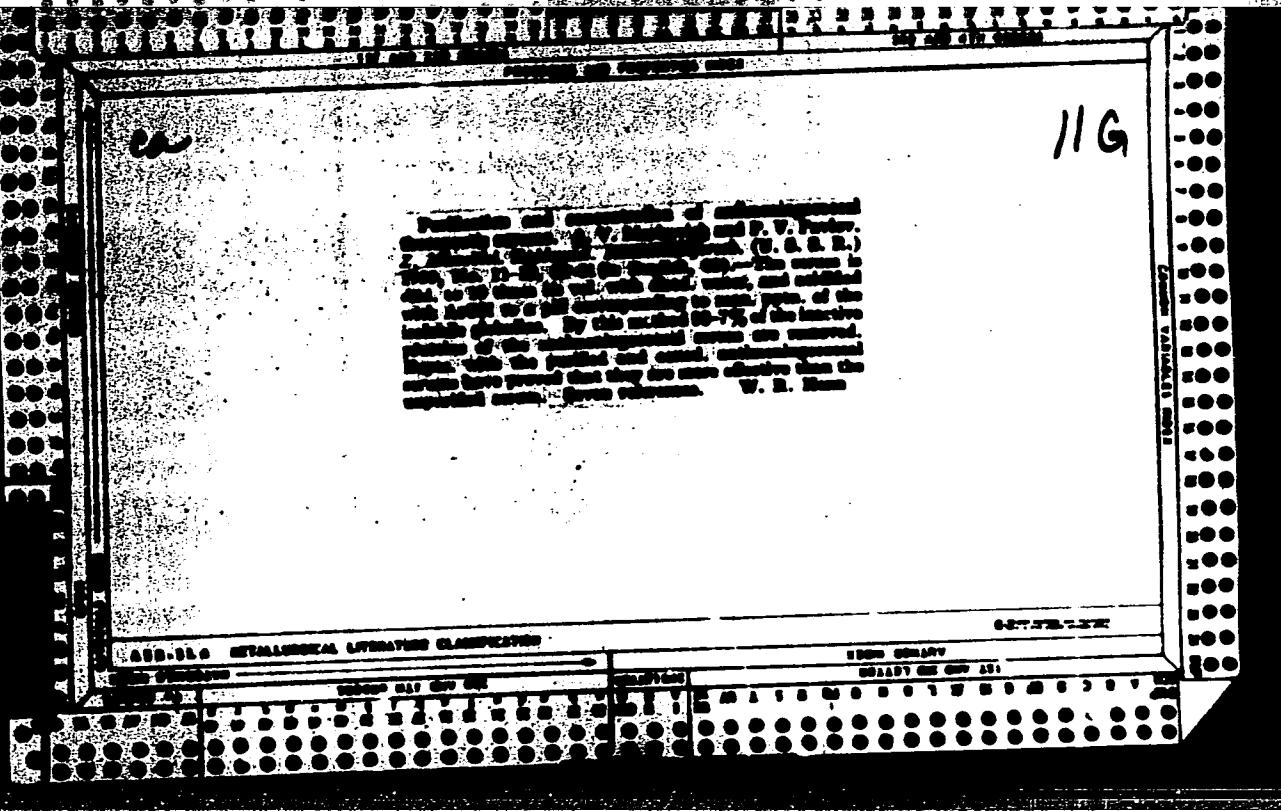
PAPER

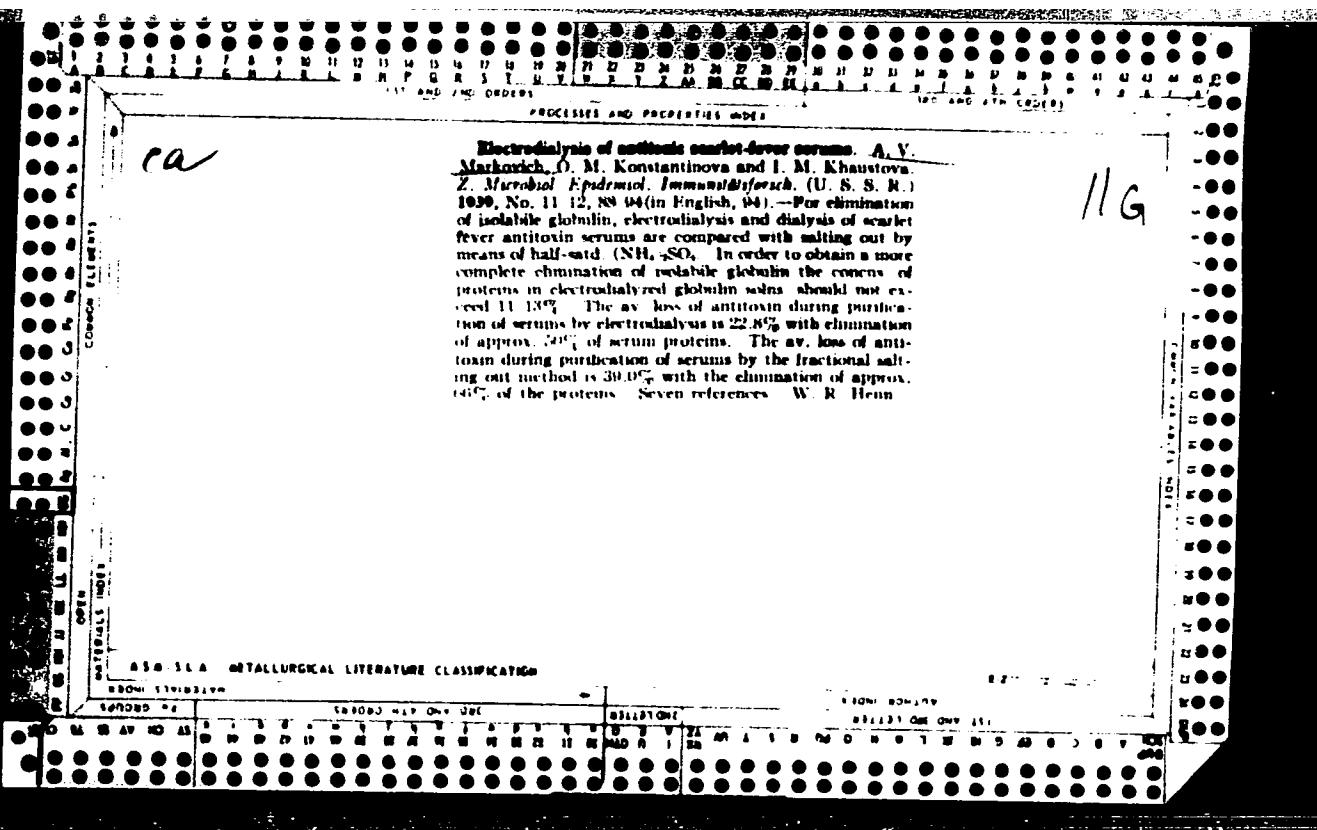
INK

BINDING

OTHER







11B

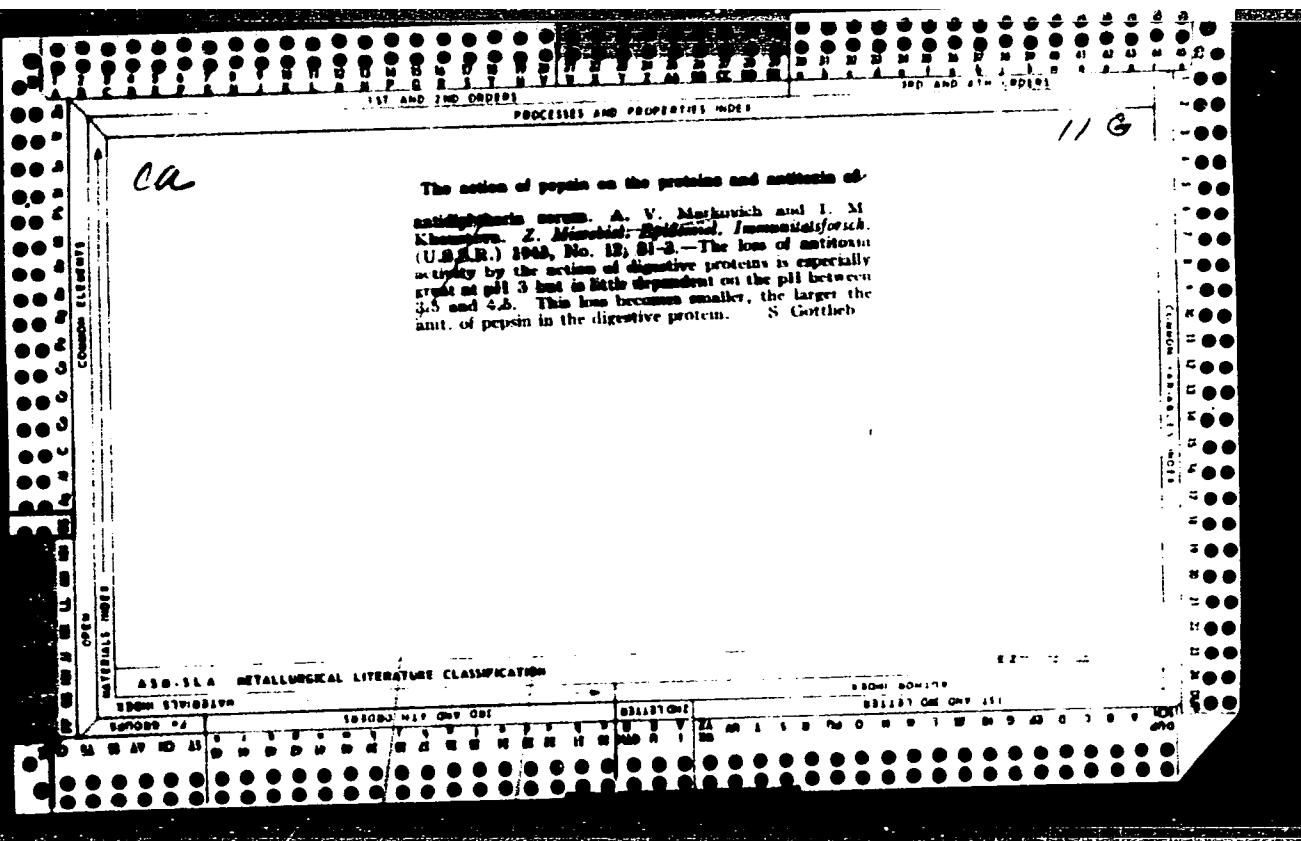
Fractionating proteins by electrodialysis. III. Electrodialysis of antipneumococcus serum. A. V. Markovich, A. I. Novoslova and I. M. Khaustova. *J. Applied Chem. (U. S. S. R.)* 12, 1755 (in English, 1939). The isolable globulin of antipneumococcus horse serum consists of (1) the passive "acid" fraction and (2) the "alkaline" fraction of isolable globulin with which are connected the specific antibodies. These fractions of isolable globulins were sepd. by direct electrodialysis of the serum. Cf. C. A. 33, 6801. A. A. Bochtingk

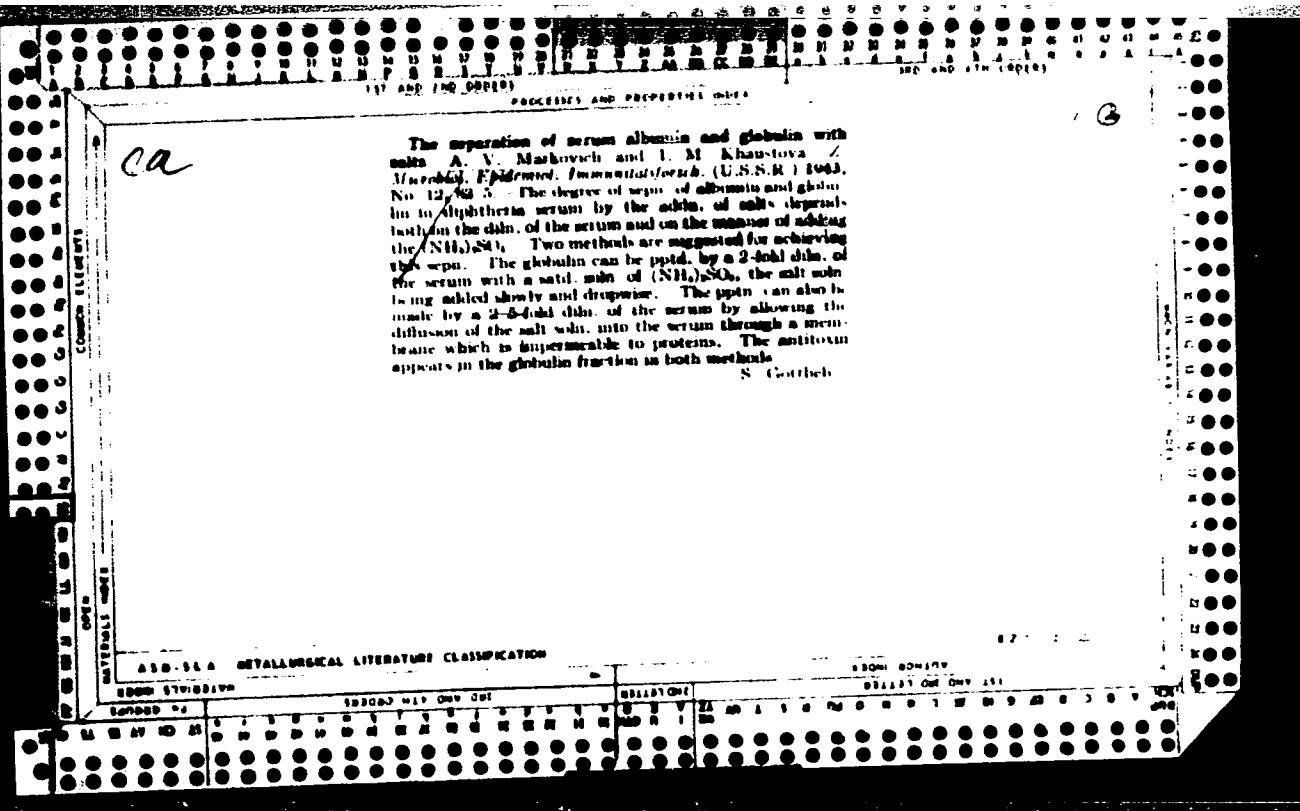
Fractionation of albumins by electrodialysis. A. V. Markovich and I. M. Khastova. *Z. Mikrobiol., Epidemiol. Immunoliforisch.* (U. S. S. R.) 1942, No. 10, 19-7. Fractionation of proteins by electrodialysis of sera was performed, using precip. acidified to pH 5.6 and made up to pH 8.5. The distribution of protein and antitoxin between isolable and insoluble fractions is detd. by limiting values of pH differing from pH 8.5 to 6.0. The amt. of isolable protein and antitoxin connected with it is max. at pH 8.5-8.6. The isolable fraction increases with larger deviations of pH from the above limits. G. M. K.

A30.360 METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032510020-7"





MARKOVICH, A. V.

Inst. Vaccines and Sera, Leningrad, (-1944-).

"Purification of tetanus antitoxin by means of dialysis and electrodialysis."

Zhur. Mikrobiol., Epidemiol., i Immunobiol, No. 1-2, 1944.

Determination of nitrogen of the antitoxin in the anti-diphtheria serum. A. V. Markovich and A. A. Sharashkin (Leningrad Vaccine Inst.). Zhur. Mikrobiol., Epidemiol. i Immunobioch. 1945, No. 9, 73-8. — The amt. of N in diphtheria toxin flocculated with antidiphtheria serum is max. in initial flocculation, and shows a decrease with the presence of an excess of either the toxin or the anti-toxin. In an equiv. mixt. the amt. of N in the flocculate is linearly dependent on the amt. of antitoxic units present. The amt. of N corresponding to 1 unit of antitoxin is 2.6 γ. (In the flocculate using equiv. mixt.) An antitoxic unit (of antiphosphatidyl globulin) has 2.15 γ N, consisting approx. of 5×10^9 mole of the globulin. The native serums have 8-10% of total protein in the form of antitoxic globulin; in concd. serums this value reaches 15-20%.

G. M. Konstantinoff

118

APPROVED FOR RELEASE: 06/14/2000

CIA-RDP86-00513R001032510020-7"

MARKOVICH, A. V.

PA 2T14

USSR/Medicine - Penicillin
Microbiology

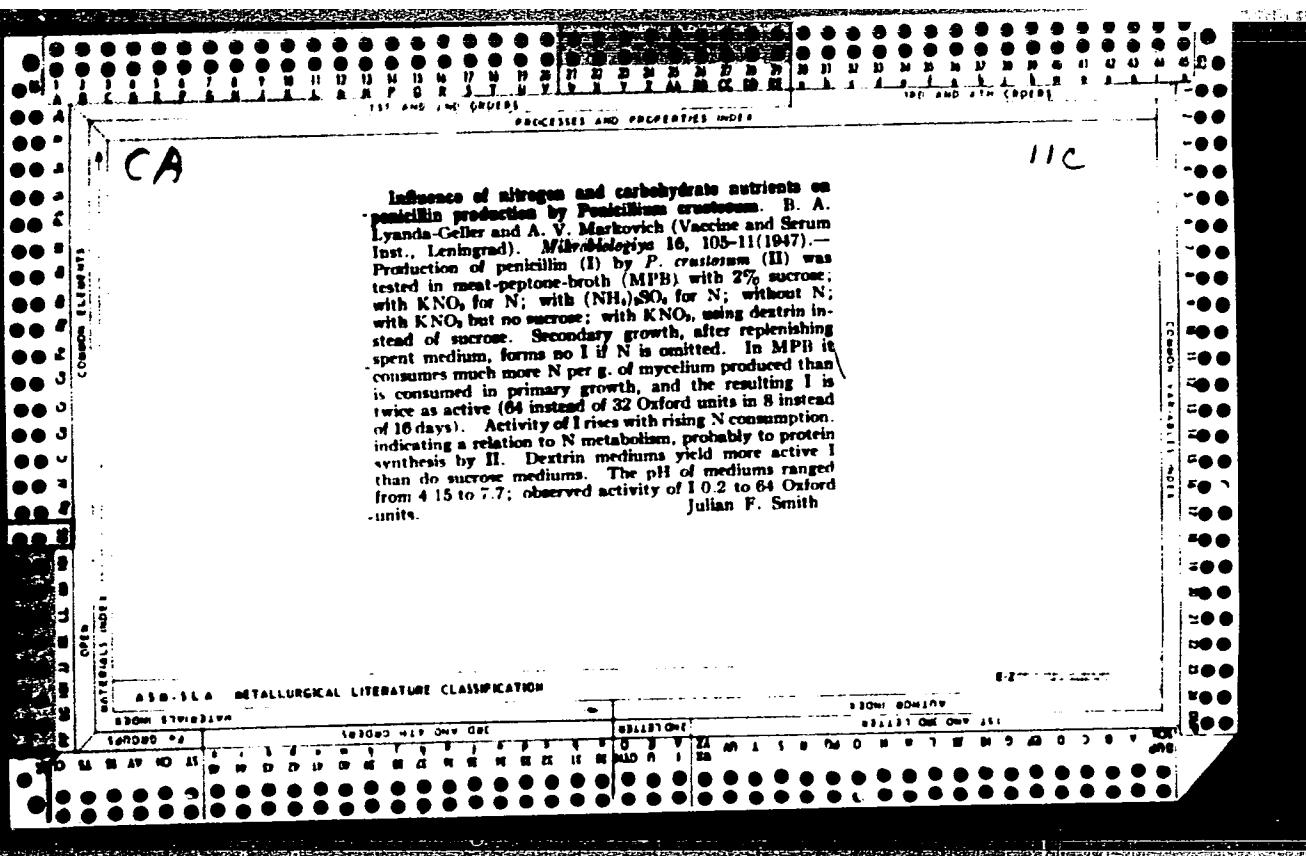
Fe 1247

"The Influence of Nitrogen and Carbohydrate Nutrition of Penicillium Crustosum
upon the Formation of Penicillin," A. B. Landa-Geller, A. V. Markovich, 14 pp

"Mikrobiologiya" Vol XVI, no 2

Study of the formation of penicillin under its primary and secondary conditions
of growth.

2T14



MARKOVICH, A. V.

Markovich, A. V. "Electrodialysis of electrolyte solutions," (From a bachelor's dissertation, "Electrodialysis and its application for fractionation of proteins,") zapiski (Leningr. gos. un-t im. Zhdenova), Chemical sciences series, Issue 8, 1949, p. 71-113 -- Bibliog: p. 113

SO: U-3566, 15 March, 53, (Letopis 'Zhurnal 'nykh Statey, No. 14, 1949).

MARKOVICH, A.V.

Electrodialysis of electrolyte solutions. Uch.sap.Len.un. no.108:71-
113 '49. (MLRA 10:3)
(Electrodialysis) (Electrolytes)

MARKOVICH, A.V.; VOROB'YEV, A.A.

Determination of the activity of partly purified tetanus anatoxin by
graphic analysis of the curves of salting-out of protein antigen.
Doklady Akad. Nauk S.S.R. 87, 461-4 '52. (MLRA 5:11)
(CA 47 no.13:6526 '53)

1. Naval Med. Acad.

1. MARKOVICH, A. V.; VOROP'YEV, A. A.
2. USSR (600)
4. Antigens and Antibodies
7. Determination of the activity of fully separated tetanus antitoxin by means of a graphic analysis of the salting-out curves of antigenic proteins, Dokl. AN SSSR, 87, No. 3, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

MAKHOVICH, A.V.: VOROB'YEV, A. A.

Relation of dosage of tetanus anatoxin to the extent of immunity
in white mice. Doklady Akad. nauk SSSR 87 no. 4:665-668 1 Dec 1952.
(CLML 23:5)
1. Presented by Academician K. M. Bykov 19 July 1952. 2. Naval Med-
ical Academy.

MARKOVICH, A.V.; KHAUSTOVA, I.M.

Determination of the immunogenic properties of *B. perfringens*
anatoxin on white mice. Biul. eksp. biol. i med. 38 no.9:50-53
(MIRA 7:12)
S '54.

1. Iz Voyenno-morskoy meditsinskoy akademii i Instituta vaktsin
i syvorotok, Leningrad.
(CLOSTRIDIUM PERFRINGENS,
anatoxin, determ. of immun. properties on white mice)

MARKOVICH, A V.
USSR/Medicine - Immunology

FD-2562

Card 1/1 Pub. 17-15/23

Author : Markovich, A. V.; Vorot'yev, A. A.

Title : Relation of the degree of immunity to the dosage of antigen in
repeated immunization

Periodical : Byul. eksp. biol. i med. 5, 53-56, May 1955

Abstract : Gives an equation expressing the degree of immunity of white mice
to tetanus toxin in relation to the size of the immunizing dose of
antigen and investigates the reliability of this equation when ap-
plied to other types of antigen. Tables; graphs. Two references,
both USSR (since 1940).

Institution : Naval Medical Academy

Submitted : February 3, 1954 by P. F. Zdrodovskiy, Member of the Academy of
Medical Sciences USSR

Name: MARKOVICH, Aleksandr Vasil'yevich

Dissertation: The Fractionation of Proteins and the Quantitative Analysis of the Reaction of Flocculation

Degree: Doc Chem Sci

Affiliation: Naval Med Acad

Defense Date, Place: 23 Apr 56, Council of Leningrad Order of Lenin State U imeni Zhdanov

Certification Date: 29 Sep 56

Source: BMVJ 6/57

GRIGOROV, O.N.; KOZ'MINA, Z.P.; MARKOVICH, A.V.; FRIDRIKHSBERG, D.A.;
REBINDER, P.A., akademik, otvetstvennyy redaktor; KREMLEV, L.Ya.,
redaktor izdatel'stva; GERBLOM, M.A., redaktor izdatel'stva;
RAVDEL', A.A., redaktor izdatel'stva; KIRMARSKAYA, A.A., tekhniches-
kiy redaktor

[Electrokinetic characteristics of capillary systems; monographs on
experimental studies conducted under the direction of I.I.Zhukov,
correspondent-member of the U.S.S.R. Academy of Sciences, by his
students] Elektrokineticheskie svoistva kapilliarnykh sistem;
monograficheskii sbornik eksperimental'nykh issledovanii. Vyp.pod
rukovodstvom I.I.Zhukova ego uchenikami. Moskva, 1956. 352 p.

(MLRA 10:1)

1. Akademiya nauk SSSR. Otdelenie khimicheskikh nauk.
(Capillarity)

MARKOVICH, A.V.; VOROB'YEV, A.A.

Quantitative features of the dynamics of immunity in a single vaccination with absorbed antigen. Zhur.mikrobiol.epid. i immun. 27 no.11:93-97 N '56. (MLRA 10:1)

1. Iz Voyenno-morskoy meditsinskoy akademii.
(VACCINES AND VACCINATION,
quantitative rules of dynamics of immunity in single
vacc. with absorbed antigen (Rus))

МИНИСТЕРСТВО ЗДРАВООХРАНЕНИЯ
СССР

USSR / Microbiology. Anaerobic Bacilli.

F-6

Abstr Jour: Ref Zhur-Biol., No 16, 1958, 72192.

Author : Markovich, A. V.; Vorob'yev,

Inst : Not given.

Title : Rational Principles of Conservation of Deposited
Tetanus Anatoxin.

Orig Pub: S sb.; Anaerobnyye infektsii, Kiyev, Gosmedizdat
USSR, 1957, 24-30.

Abstract: No abstract.

Card 1/1

VOROB'YEV, A.A.; GONCHAROV, B.S.; LUBYANSKIY, L.P.; MARKOVICH, A.V.

Relation of the blood level of a specific anatoxin and the degree
of immunity to tetanus toxin in white mice immunized with sorbed
tetanus anatoxin [with summary in English] Biul. eksp. biol. i
med. 43 no.2:63-66 F '57 (MLRA 10:5)

1. Iz Voyenno-morskoy meditsinskoy akademii, Leningrad. Predstavlena
deystvitel'nym chlenom AMN SSSR P.F. Zdrodovskim.
(TETANUS, immunology,

relation of blood anatoxin level to degree of immun. to
toxin in white mice immun. with anatoxin) (Rus)

MARKOVICH, A.V.

Electrophoretic analysis of sera of hyperimmunized horses. Vop.
med.khim. 6 no.1:41-48 Ja-P '60. (MIRA 13:5)
(IMMUNE SERUMS chem.)

MARKOVICH, A. V.; SOKOLOV, B. V.; MEDVEDKOVA, A. A.; PAYKIN, M. D.; FROLOVA, M. A.;
IL'IN, G. I.

"Therapy of experimental coccal infections by soluble tetracycline derivatives and
by tetracycline."

report submitted for ^antibiotics Cong, Prague, 15-19 Jun 64.

Sci Res Inst of Antibiotics, Leningrad.

VEKSLER, V.I.; KOVALENKO, L.N.; MARKOVICH, A.V.

N-alkylation of aminodeoxy sugars. Zhur.ob.khim. 34 no.2:704-705
F '64. (MIRA 17:3)

1. Leningradskiy institut sovetskoy torgovli imeni Fr.Engel'sa.

YEFIMOVA, G.V.; MARKOVICH, A.V.

Determination of griseofulvin and 6-demethylgriseofulvin in
the urine by a spectrophotometric method. Vop. med. khim.
9 no.4&429-434 Jl-Ag'63 (MIRA 1784)

1. Nauchno-issledovatel'skiy institut antibiotikov, Leningrad.

VOL'F, L.A.; MARKOVICH, A.V.; MEDVEDKOVA, A.A.

Antifungal action of synthetic fibers containing specific
chemical groups. Vest. derm. i ven. 37 no.6: 39-41 (e 163).

(Urg. 17:6)

Nauchno-issledovatel'skiy institut antibiotikov Ministerstva
zdravookhraneniya RSFSR i kafedra khimicheskikh volokon Leningrad-
skogo tekstil'nogo instituta imeni S.M. Kirova.

L 22522-65 EWT(1)/EWA(b) JK
ACCESSION NR: AR4039966

S/0299/64/000/009/B025/B025

SOURCE: Ref. zh. Biol. Sv. t., Abs. 9B189

AUTHOR: Markovich, A. V.; Konev, Yu. Ye.; Petrova, L. Ya.; ²⁰
Bogdanova, M. ⁸

TITLE: Certain products of actinomycetes 1435/4 life activity

CITED SOURCE: Sb. Materialy 3-y Nauchn. sessii Leningr. in-ta
antibiotikov, 1963. I., 1963, 68

TOPIC TAGS: actinomycetes, act. aureoverticillatus Krass, yeast,
antibiosis, gram-positive bacteria

TRANSLATION: Orange actinomycetes 1435/4 identified as a variety of
Act. aureoverticillatus Krass displays antagonistic activity against
gram-positive bacteria and yeasts. Antibacterial substances and
pigments were found in mycelium extracts. On the basis of its
spectral and chemical properties, the hydrochloride of the highly
mobile red pigment is close to the prodigiosin-like pigments of
actinomycetes origin. From a resume.

Card#1 SUB-CODE: LS ENCL: 00

MARKOVICH, A.V.; SOKOLOV, B.V.; MEDVEDKOVA, A.A.; FAYKIN, M.D.;
FROLOVA, M.A.

Effectiveness of N-morpholynemethyltetracycline chemotherapy
in experimental infections with coccal bacteria. Antibiotiki
9 no.4:343-347 Ap '64. (MI-7 10:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

YEFIMOVA, G.V.; MARKOVICH, A.V.

Spectrophotometric determination of griseofulvin in mycelia.
Antibiotiki 9 no.7:592-595 Jl '64.

(MIRA 18:3)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

YEFIMOVA, G.V.; MARKOVICH, A.V.

Effect of dispersion properties of griseofulvin on the renal
excretion of griseofulvin and 6-dimethylgriseofulvin. Anti-
biotiki 9 no.9:818-821 S '64. (MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

YEFIMOVA, G.V.; MARKOVICH, A.V.; SHENIN, Yu.D.

Separation and identification of substances accompanying
griseofulvin. Zhur. ob. khim. 34 no.11:3842-3843 N^o64
(MIRA 18:1)

1. Nauchno-issledovatel'skiy institut antibiotikov, Leningrad.

L 42067-65 EWT(1)/EWA(j)/EWA(b)-2 JK

UR/0286/65/000/007/0092/0093

ACCESSION NR: AP5010902

AUTHORS: Markovich, A. V.; Vorob'yev, A. A.; Vasil'yev, N. N.; Patrikeyev, G. T.; Yanichev, V. M.; Zybin, V. D.; Kornev, I. S.; Shevelev, V. M.; Anan'yeva, Ye. P.23
B

TITLE: Botulitic anatoxins of types A and B. Class 30, No. 169751

SOURCE: Byulleten' izobreteniya i tovarnykh znakov, no. 7, 1965, 92-93

TOPIC TAGS: anatoxin, toxic substance, botulism, inoculation

ABSTRACT: This Author Certificate presents botulitic anatoxins, purified, concentrated, and sorbed with aluminum hydroxide. To produce in the blood of the inoculated people the antitoxic titers of types A and B and of the order 1-3 AE/ml, one ml of each preparation is made to contain 1000 antigenic units (EC per one AE) of the corresponding anatoxins with specific activity of no less than 3000 EC/1 mg of total nitrogen and not over 3.5 mg of aluminum hydroxide.

ASSOCIATION: none

SUBMITTED: 18 May 60
NO RET Sov: 000ENCL: 00
OTHER: 000

SUB CODE: LS

Card 1/1000

VEKSLER, V.I., MARKOVICH, A.V.; KOVALENKO, I.N.

Ac'tio-deoxy carbonylates, derivatives of the reaction of
ammonium with long-chain alkyl rhodolates. Part 3. KINETICS
NO. 10104-115 Ag '65. MIRA, P.R.

... Leningradskiy Institut Sovershch. Proektov.

SOKOLOV, R.V., V.D., Lva.; MAKAROV, A.V.

Antibacterial effect of polyvinyl alcohols having different
specific chemical groups. Zhur. mikrobiol. 1961, No. 4,
41 no. 11:5.-54 - 55.

1. Leningradskiy institut antropologii i radiobiologii,
volokna leningradskogo tekstil'nogo instituta im. Kirova.

KOPP, M.F., dotsent, kand.tekhn.nauk; MARKOVICH, A. Ya., mladshiy nauchnyy sotrudnik; PISKER, M.N.

Modernization of the equipment of rotary automatic telephone exchanges. Vest. sviazi 21 no.4:10-11 Ap '61. (MIRA 14:6)

1. Odesskiy elektrotekhnicheskiy institut svyazi. 2. Vedushchiiy inzhener Odesskogo elektrotekhnicheskogo instituta svyazi (for Pisker).

(Telephone, Automatic)

KOPP, Mark Filippovich; KHALEVICH, Anatoliy Dem'yanovich; SHIL'K,
Oleg Semenovich; SAVOLEVICH, Yevgeniy Andrianovich;
MAKOVICH, Aleksandr Yakovlevich; RESHETNIKOV, A.V.
retsenzent; METEL'SKIY, G.B., otv. red.; Os AZISOVA, Ye.A.
red.

[Textbook on telephony] Zadachnik po telefonii. [By] I.F.K. i p
i dr. Moskva, Sviaz', 1965. 278 p. (MIRA 18:3)

MARSHAL CHIEF, M. C., 1700A, 1000' DEEP, 100' TALL.

Manufacturing facility located on large sandstone cliff face.
Shafts bore about 100 ft. deep.

1. Subsequently known to be CIA's secret.

SOV/124-58-4-4117D

Translation from: Referativnyy zhurnal Mekhanika, 1958, Nr 4, p61 (USSR)

AUTHOR: Markovich, B. N.

TITLE: Investigation of a Hydropneumatic Safety Device for an 800-ton Mechanical Press (Issledovaniye gidropnevmaticheskogo predokhranitelya mekhanicheskogo pressa 800 tonn)

ABSTRACT: Bibliographic entry on the author's dissertation for the degree of Candidate of Technical Sciences, presented to the Gor'kovsk. politekhn. in-t (Gor'kiy Polytechnic Institute), Gor'kiy, 1957

ASSOCIATION: Gor'kovsk. politekhn. in-t (Gor'kiy Polytechnic Institute), Gor'kiy

1. Mechanical presses--Safety devices

Card 1/1

MARKOVICH, B.N.

Selecting a type and determining the basic parameters of
hydropneumatic protective devices for crankshaft presses.
Kuz.-shtam. proizv. 1 no.9:14-21 S '59. (MIRA 12:12)
(Power presses--Safety appliances)

MARKOVICH, B.N., kand.tekhn.nauk

Investigating hydropneumatic safety devices for crankshaft presses.
[Nauch.trudy] MIMASha 2:28-73 '60. (MIRA 14:1)
(Power presses--Safety appliances)

MARKOVICH, B.N.; MEL'NIKOV, A.K.

Crankshaft presses with adjustable drives. Kuz.-shtam. proizv. 2
no. 5:38-41 My '60. (MIRA 14:3)
(Power presses—Electric driving)

MARKOVICH, B.N., kand.tekhn.nauk, MEL'NIKOV, A.K., inzh.

Performance of the flywheel and electric motor in crank presses
with adjustable drive. [Nauch. trudy] ENIKMASHa 6-3-21 '63.

(MIRA 1 2)

'Power presses -Electric driving)